



## PATENT ABSTRACTS OF JAPAN

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**KIKUCHI MASAHIRO**(30) Priority: **15.02.96 JP 08 50813**(54) **CAMERA DEVICE**

## (57) Abstract:

**PROBLEM TO BE SOLVED:** To prevent the whole size of a camera device from being restricted by the length of an optical path to a converter lens from an image pickup surface, to constitute the camera device compact and to realize high-density packaging.

**SOLUTION:** The converter lens for a wide angle 28 is rotatably and movably arranged on the incident side of a master lens for telephotographing 23 forming the image of an object on the image pickup surface of a solid-state image pickup element 21. Then, the lens 28 is rotated and moved between the position on the optical path to the lens 23 from the object and the position out of the optical path. Besides, a reflection mirror 29 is arranged at the rotation center S of the lens 28. Therefore, the whole length of the device can be set by the short length of the optical path to the mirror 29 from the image pickup surface without changing the length of the optical path to the lens 28 from the image pickup surface by bending the optical path to the image pickup surface from the object by using the mirror 29. Thus, the whole device can be made compact and the high density packaging is realized.

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